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## SEQUENCE LISTING

<110> Brown, Arthur Wible, Barbara Yang, Qing

<120> Protein That Enhances Expression of Potassium Channels on C ell Surfaces and Nucleic Acids That Encode The Same

<130> 22884/04066

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<151> 1998-04-17

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Asp	Pro	Asp	Ser 260	Gly	Val	Ala	Thr	Thr 265	Ser	Leu	Arg	Val	Ser 270	Leu	Met
Cys	Pro	Leu	Gly	Lys	Met	Arg	Leu	Thr	Val	Pro	Cys	Arg	Ala	Leu	Thr

Cys Ala His Leu Gln Ser Phe Ser Ala Ala Leu Tyr Leu Gln Met Asn Glu Lys Pro Thr Trp Thr Cys Pro Val Cys Asp Lys Lys Ala Pro Trp Glu Ser Leu Ile Ile Asp Gly Leu Phe Met Glu Ile Leu Xaa Ser Cys Ser Asp Cys Asp Glu Ile Gln Phe Met Glu Asp Gly Ser Thr Cys Pro Met Lys Pro Lys Lys Glu Ala Ser Glu Val Cys Pro Pro Pro Gly Tyr Gly Leu Asp Gly Leu Gln Tyr Ser Pro Val Gln Xaa Gly Xaa Pro Ser Glu Asn Lys Lys Xaa Val Glu Val Ile Asp Leu Thr Ile Glu Ser Ser Ser Asp Glu Glu Asp Leu Pro Pro Thr Lys Lys His Cys Xaa Val Thr Ser Ala Ala Ile Pro Ala Leu Pro Gly Ser Lys Gly Xaa Leu Thr Ser Gly His Gln Pro Ser Ser Val Leu Arg Ser Pro Ala Met Gly Thr Leu Gly Xaa Asp Phe Leu Ser Ser Leu Pro Leu His Glu Tyr Pro Pro Ala Phe Pro Leu Gly Ala Asp Ile Gln Gly Leu Asp Leu Phe Ser Phe Leu Gln Thr Glu Ser Gln Tyr Xaa Pro Ser Val Ile Thr Ser Leu Asp Glu Gln Asp Xaa Leu Gly His Phe Phe Gln Xaa Arg Phe Thr Pro Xaa His Phe Leu Gly Pro Leu Ala Pro Thr Leu Gly Ser Ser His Xaa Ser Ala Thr Pro Ala Pro Xaa Pro Gly Arg Val Ser Ser Ile Val Ala Pro Gly

and the form the same and the s

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Xaa Xaa Leu Arg Glu Gly His Gly Gly Pro Leu Pro Ser Gly Pro Ser 545 550 555 560

Leu Thr Gly Cys Arg Ser Asp Ile Xaa Ser Leu Asp 565 570

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Ile Ile Asp Gly Leu Phe Met Glu Ile Leu Asn Ser Cys Ser Asp Cys 20 25 30

Asp Glu Ile Gln Phe Met Glu Asp Gly Ser Trp Cys Pro Met Lys Pro 35 40 45

Lys Lys Glu Ala Ser Glu Val Cys Pro Pro Pro Gly Tyr Gly Leu Asp 50 55 60

Gly Leu Gln Tyr Ser Pro Val Gln Glu Gly Asn Gln Ser Glu Asn Lys 65 70 75 80

Lys Arg Val Glu Val Ile Asp Leu Thr Ile Glu Ser Ser Asp Glu 85 90 95

Glu Asp Leu

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Pro Pro Thr Lys Lys His Cys Ser Val Thr Ser Ala Ala Ile Pro Ala 1 5 10 15

Leu Pro Gly Ser Lys Gly Val Leu Thr Ser Gly His Gln Pro Ser Ser 20 25 30

Val Leu Arg Ser Pro Ala Met Gly Thr Leu Gly Gly Asp Phe Leu Ser 35 40 45

Ser Leu Pro Leu His Glu Tyr Pro Pro Ala Phe Pro Leu Gly Ala Asp 50 55 60

Ile Gln Gly Leu Asp Leu Phe Ser Phe Leu Gln Thr Glu Ser Gln His 70 75 80

Tyr Gly Pro Ser Val Ile Thr Ser Leu Asp Glu Gln Asp Ala Leu Gly 85 90 95

His Phe Phe Gln Tyr Arg Gly Thr Pro Ser His Phe Leu Gly Pro Leu 100 105 110

Ala Pro Thr Leu Gly Ser Ser His Cys Ser Ala Thr Pro Ala Pro Pro 115 120 125

Pro Gly Ala Val Ser Ser Ile Val Ala Pro Gly Gly Ala Leu Arg Glu 130 135 140

Gly His Gly Gly Pro Leu Pro Ser Gly Pro Ser Leu Thr Gly Cys Arg 145 150 155 160

Ser Asp Ile Ile Ser Leu Asp 165

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Pro Pro Thr Lys Lys His Cys Pro Val Thr Ser Ala Ala Ile Pro Ala 1 5 10 15

Leu Pro Gly Ser Lys Gly Ala Leu Thr Ser Gly His Gln Pro Ser Ser 20 25 30

Val Leu Arg Ser Pro Ala Met Gly Thr Leu Gly Ser Asp Phe Leu Ser 35 40 45

Ser Leu Pro Leu His Glu Tyr Pro Pro Ala Phe Pro Leu Gly Ala Asp 50 55 60

Ile Gln Gly Leu Asp Leu Phe Ser Phe Leu Gln Thr Glu Ser Gln His

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65
                                                                                        70
                                                                                                                                                                   75
                                                                                                                                                                                                                                                80
            Tyr Ser Pro Ser Val Ile Thr Ser Leu Asp Glu Gln Asp Thr Leu Gly
                                                                         85
                                                                                                                                                                                                                                 95
            His Phe Phe Gln Phe Arg Gly Thr Pro Pro His Phe Leu Gly Pro Leu
                                                          100
                                                                                                                                     105
                                                                                                                                                                                                                  110
            Ala Pro Thr Leu Gly Ser Ser His Arg Ser Ala Thr Pro Ala Pro Ala
                                          115
                                                                                                                      120
                                                                                                                                                                                                  125
            Pro Gly Arg Val Ser Ser Ile Val Ala Pro Gly Ser Ser Leu Arg Glu
                                                                                                        135
                                                                                                                                                                                   140
            Gly His Gly Gly Pro Leu Pro Ser Gly Pro Ser Leu Thr Gly Cys Arg
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            Ser Asp Val Ile Ser Leu Asp
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The street of th
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Ile Asp Gly Leu Phe Met Glu Ile Leu Xaa Ser Cys Ser Asp Cys Asp
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Glu Ile Gln Phe Met Glu Asp Gly Ser Trp Leu Pro Met Lys Pro Lys
                             40
Lys Glu Ala Ser Glu Val Cys Pro Pro Pro Gly Tyr Gly Leu Asp Gly
                         55
Leu Gln Tyr Ser Pro Val Gln Xaa Gly Xaa Pro Ser Glu Asn Lys Lys
65
                     70
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                                                              80
Xaa Val Glu Val Ile Asp Leu Thr Ile Glu Ser Ser Asp Glu Glu
                85
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Asp Leu
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Leu Pro Gly Ser Lys Gly Xaa Leu Thr Ser Gly His Gln Pro Ser Ser 20 25 30

Val Leu Arg Ser Pro Ala Met Gly Thr Leu Gly Xaa Asp Phe Leu Ser 35 40 45

Ser Leu Pro Leu His Glu Tyr Pro Pro Ala Phe Pro Leu Gly Ala Asp 50 55 60

Ile Gln Gly Leu Asp Leu Phe Ser Phe Leu Gln Thr Glu Ser Gln His 70 75 80

Tyr Xaa Pro Ser Val Ile Thr Ser Leu Asp Glu Gln Asp Xaa Leu Gly 85 90 95

His Phe Phe Gln Xaa Arg Gly Thr Pro Xaa His Phe Leu Gly Pro Leu 100 105 110

Ala Pro Thr Leu Gly Ser Ser His Xaa Ser Ala Thr Pro Ala Pro Xaa 115 120 125

Pro Gly Arg Val Ser Ser Ile Val Ala Pro Gly Xaa Xaa Leu Arg Glu 130 135 140

Gly His Gly Gly Pro Leu Pro Ser Gly Pro Ser Leu Thr Gly Cys Arg 145 150 155 160

Ser Asp Ile Xaa Ser Leu Asp 165

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Ala Thr Gly Ala Ala Gly Ala Thr Cys Ala Ala Ala Gly Ala Gly Cys

1 5 10 15

Thr Thr Thr Ala Cys Cys Gly Ala Cys Gly 20 25

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Ala Thr Gly Ala Cys Cys Gly 20